

# 2017 TBPG Workshop HMT Roundup

Abstract

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NWS/NCEP/WPC, 2OAR/ESRL/PSD ABSTRACT The NOAA Hydrometeorology Testbed (HMT) conducts applied research on precipitation and weather conditions that can lead to flooding, and fosters transition of scientific advances and new tools into National Weather Service forecasting operations. This testbed is motivated to make communities more resilient to the impacts of extreme precipitation on lives, property, water supply and ecosystems. HMT is managed and coordinated by NOAA's Physical Sciences Division (PSD) in the Earth System Research Laboratory (ESRL, Boulder, CO) and the National Weather Service's (NWS) Weather Prediction Center (WPC, College Park, MD), in partnership with the National Water Center (NWC, Tuscaloosa, AL). HMT also collaborates with the NWS at local and regional levels as well as other national, regional, and local agencies, and universities. This talk will highlight updates on HMT projects funded by the Office of Weather and Air Quality (OWAQ) and WPC-led Winter Weather and Flash Flood experiments. The FY16/FY17 HMT projects are working to improve modeled precipitation forecasts, as well as developing innovative products to help forecasters evaluate the increasing amount of forecast model output and observations available to them.